



GORE® Gasket Tape Series 1000

Easily and reliably seal glass-lined steel to contain aggressive media, protect equipment, and reduce emissions.

Technical Specifications

Material

100% ePTFE (expanded polytetrafluoroethylene), with multidirectional strength.

Operating range

The maximum applicable pressure and temperature depend mainly on the equipment and installation.

Typical use: -60 °C to 230 °C (-76 °F to 445 °F);
industrial full vacuum¹ to 10 bar (145 psi)

Maximum use: -269 °C to 315 °C (-452 °F to 600 °F);
full vacuum to 16 bar (230 psi) for flanges
up to DN 2000/ASME 80"

Be aware that flange surface irregularities may cause high peak loads. Please contact Gore if further guidance is required.

For applications outside the typical use range, Gore recommends an application-specific engineering design calculation and extra care during installation.

Chemical resistance

Chemical resistance to all media pH 0–14, except molten alkali metals and elemental fluorine.

Shelf life

ePTFE is not subject to aging and can be stored indefinitely. To ensure optimal adhesive function, we recommend use within two years of date of purchase when stored under normal² conditions.

Product Sizes

Choose tape width to be the same or wider than the width of the flange.

- Use 6 mm (1/4") tape thickness for deviations up to 1.7 mm (0.07") without shimming.
- Use 9 mm (3/8") tape thickness for deviations up to 2.5 mm (0.10") without shimming.

For greater deviations, consider shimming with GORE® Gasket Tape Series 1000 Shimming Tape. For additional details, please refer to our Installation Guide for GORE® Gasket Tape Series 1000 → [PDF](#).



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GORE® Gasket Tape Series 1000 is manufactured to metric dimensions. Choose from multiple widths, thicknesses and lengths, in any combination.

Width	Thickness	Length
40 mm (1.5")	6 mm (1/4")	5 m (16')
55 mm (2")	9 mm (3/8")	10 m (32')
65 mm (2.5")		15 m (49')

GORE® Gasket Tape Series 1000 Shimming Tape

GORE® Gasket Tape Series 1000 Shimming tape is 3 mm (1/8") thick x 5 m (16') long, in any of the above widths. Select shimming tape to the same width as your Series 1000 gasket tape.

¹ Absolute pressure of 1 mmHg (Torr) = 133 Pa = 1.33 mbar = 0.019 psi

² 21 °C (70 °F) 50% relative humidity

Technical Data: GORE® Gasket Tape Series 1000

	Thickness	
	6 mm (1/4")	9 mm (3/8")
Sealability³		
Q _{min} (0.1)	9 MPa (1,305 psi)	13 MPa (1,885 psi)
Q _{min} (0.01)	14 MPa (2,030 psi)	18 MPa (2,610 psi)
Q _{smin} up to L0.0001 and Q _A > 5 MPa	5 MPa (725 psi)	5 MPa (725 psi)
m	5	5
y	9 MPa (1,305 psi)	13 MPa (1,885 psi)
Conformability⁴		
Stress to seal 0.1 mg/(m·s) measured on test plattens with a groove ⁴	9 MPa (1,305 psi)	13 MPa (1,885 psi)
Stress to seal 0.01 mg/(m·s) measured on test plattens with a groove ⁴	14 MPa (2,030 psi)	18 MPa (2,610 psi)
Creep relaxation⁵		
P _{QR} , 150 °C (302 °F)	0.49	0.41
P _{QR} , 230 °C (445 °F)	0.36	0.29
Crush strength⁶		
Max. surface stress at 23 °C (73 °F)	70 MPa (10,150 psi)	70 MPa (10,150 psi)

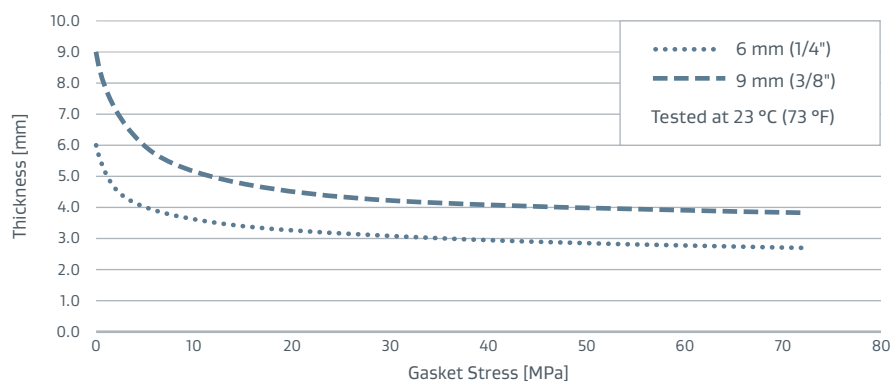
³ Based on EN 13555 leakage test protocol. DN200 PN10 plattens, 10 bar nitrogen, 30 mm wide tape.

⁴ As ³ but with 0.5 mm deep groove with sloped edges cut into the plattens.

⁵ Based on EN 13555 creep relaxation test protocol (P_{QR}). 2 x 250 mm x 55 mm strips, 500 kN/mm, 10 MPa starting stress.

⁶ 2 x 250 mm x 55 mm strips, 500 kN/mm, 0.1 MPa/s load rate, 15 min hold time, no visible damage.

Compression curve



Certifications & Application Information

TA Luft, Blowout (VDI 2200), Leachable Fluoride and Chloride, ISO 9001.

Further information, including certificates and safety information, is available on gore.com/sealants.

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North America / South America
W. L. Gore & Associates, Inc.
 (USA)
 T +1 800 654 4229
 F +1 410 506 8585
 E sealants@wlgore.com

Europe / Middle East / Russia / Africa
W. L. Gore & Associates GmbH
 (Germany)
 T +49 89 4612 2215
 F +49 89 4612 43780
 E sealants_EU@wlgore.com

Asia / Australia
Gore Industrial Products Trade
(Shanghai) Co., Ltd. (China)
 T +86 21 5172 8299
 F +86 21 6247 9199
 E sealants_AP@wlgore.com

